

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application:

3
4 **Listing of Claims**

5
6 Claim 1 (Original): A method comprising:
7 identifying multimedia elements having a linear time-code number;
8 adding a prefix value to linear time-code numbers of each identified
9 multimedia element; and
10 adding suffix values to the linear time-code numbers of each identified
11 multimedia element.

12
13 Claim 2 (Original): The method of claim 1 wherein the multimedia
14 elements comprise audio video elements and interspersed elements.

15
16 Claim 3 (Original): The method of claim 1 wherein the prefix value
17 comprises a title value.

18
19 Claim 4 (Original): The method of claim 1 wherein the suffix values
20 comprise language value, angle value, and parental block value.

21
22 Claim 5 (Original): The method of claim 1 wherein linear time-code
23 numbers with prefix and suffix values are resident in a time map table that
24 associates the multimedia elements to linear time-code numbers.
25

1 Claim 6 (Original): The method of claim 5 wherein the time map is used
2 by a DVD player to point to particular sectors on a DVD disc containing content
3 representing the multimedia elements.

4
5 Claim 7 (Original): The method of claim 5 wherein the time map table is
6 part of a file that provides pointers to data structures in a medium.

7
8 Claim 8 (Original): A DVD player that implements the method of claim 7,
9 and wherein the medium is a DVD disc.

10
11 Claim 9 (Original): A broadcast point that performs the method of claim 1.

12
13 Claim 10 (Original): A multimedia device that performs the method
14 of claim 1.

15
16 Claim 11 (Original): The method of claim 1 further comprising identifying
17 elements without a linear time-code number, and adding a linear time-code to the
18 identified elements without a linear time-code.

19
20 Claim 12 (Original): The method of claim 11 wherein the elements are
21 interspersed between audio video elements that have linear time-code numbers.

1 Claim 13 (Original): A method comprising:
2 identifying a title value describing a particular multimedia presentation
3 content comprised of multimedia elements described by extended time-code
4 numbers; and
5 searching for particular multimedia elements based on their extended time-
6 code numbers.

7
8 Claim 14 (Original): The method of claim 13 wherein the extended
9 time-code numbers comprise a prefix and suffixes.

10
11 Claim 15 (Original): The method of claim 13 wherein the searching
12 is performed based on the prefix and on one or more of the suffixes.

13
14 Claim 16 (Original): The method of claim 13 wherein the suffixes
15 comprise angle, language, and parental block.

16
17 Claim 17 (Original): The method of claim 13 wherein the searching
18 is performed based on a time map table that associates multimedia elements with
19 extended time-code numbers.

20
21 Claim 18 (Original): A DVD player that implements the method of
22 claim 17.

23
24 Claim 19 (Original): A personal video recorder that implements the
25 method of claim 17.

1
2 Claim 20 (Original): The method of claim 17 wherein the time map
3 table is part of an information file that provides navigation and presentation
4 information for titles in a medium.

5
6 Claim 21 (Original): A DVD player that implements the method of
7 claim 20, wherein the medium is a DVD disc.

8
9 Claim 22 (Original): A personal video recorder that implements the
10 method of claim 20.

11
12 Claim 23 (Original): A multimedia device that performs the method
13 of claim 13.

14
15 Claim 24 (Original): A multimedia player that performs the method
16 of claim 13.

17
18 Claim 25 (Original): A method comprising:
19 receiving multimedia elements with a linear time-code;
20 receiving multimedia elements without a linear time-code;
21 attaching linear time-codes; and
22 synchronizing all multimedia elements based the unique linear time-codes.

23
24 Claim 26 (Original): A broadcast point that performs the method of
25 claim 23.

1
2 Claim 27 (Original): A multimedia device that performs the method
3 of claim 23.

4
5 Claim 28 (Original): A multimedia player that performs that method
6 of claim 23.

7
8 Claim 29 (Original): A method comprising:
9 extending an information file in a DVD to provide added functionality in
10 describing content stored on the DVD, and
11 providing navigation and presentation information from the information file
12 for playback of various titles.

13
14 Claim 30 (Original): The method of claim 29 wherein the extending
15 the information file is performed by extended time-code numbers that describe
16 sequencing of the content.

17
18 Claim 31 (Original): The method of claim 29 wherein the extending
19 the information files adds a time map table that describes sequencing of the
20 content.

21
22 Claim 32 (Original): The method of claim 29 wherein the extending
23 the information files is performed by receiving information describing the added
24 functionality from a separate source from the DVD.

1 Claim 33 (Original): A multimedia device comprising:
2 a processor;
3 a multimedia storage module executable on the processor and configured to
4 store multimedia presentation content comprising of multimedia elements; and
5 an extended time-code number module executable on the processor
6 configured to append extended time-code numbers to multimedia element without
7 a time-code number.

8
9 Claim 34 (Original): The multimedia device of 33 further comprising
10 a multimedia player module executable on the processor and configured to play
11 the audio/video element and interspersed elements.

12
13 Claim 35 (Original): The multimedia device of claim 33 wherein the
14 multimedia player is configured to search for audio/video element and interspersed
15 elements based on extended time-code numbers.

16
17 Claim 36 (Original): The multimedia device of claim 33 further
18 comprising a multimedia player.

19
20 Claim 37 (Original): The multimedia device of claim 33 wherein the
21 multimedia device is a DVD player.

22
23 Claim 38 (Original): The multimedia device of claim 33 wherein the
24 multimedia device is a personal video recorder.

1 Claim 39 (Original): A computer-readable medium having stored
2 thereon a data-structure comprising:

3 a first data field containing a title value;

4 a second data field containing a time-code value; and

5 a third data field containing a suffix value.

6
7 Claim 40 (Original): A system comprising:
8 a broadcast point providing multimedia elements; and
9 a multimedia device that receives the multimedia elements, wherein the
10 multimedia device further receives extended time-code numbers associated with
11 each multimedia element.

12
13 Claim 41 (Original): The system of claim 40 wherein the extended
14 time-code numbers are provided by the broadcast point.

15
16 Claim 42 (Original): The system of claim 40 wherein the extended time-
17 code numbers are provided by a web site.